1 State of California 3 Department of General Services 4 IT Hardware Enterprise eRP# DGS 5008 - Addendum #3 5 Pricing Worksheet #5 - Disk Storage Systems for Mainframe 6 IBack to Table of Contents 7 Bidder Name:	NEW SEASON ADVANCES IN THE CONTROL OF THE CONTROL O		В	С	D E	F	
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13		Midrange Midrange		
14 Bidder's Proposed Specs		Minimum Requirements	Meet, Exceed or Not Meet Requirements	Bidder's Proposed Specs
15 The DMX1000 has 4 back-end controllers. The S	/ Dual	***************************************	Exceeds Requirements	The DMX1000 has 4 back-end controllers. The Symmetrix D
16 Supports RAID 0, 1, 5, 10 and RAID-S	1, 5, 10		Exceeds Requirements	Supports RAID 0, 1, 5, 10 and RAID-S
17 Configured with (4) GB of Cache	512MB		Exceeds Requirements	Configured with (8) GB of Cache
18 integrity during power outages. The BBU provides			Exceeds Requirements	during power outages. The BBU provides the means for
	Fibre Channel		· · · · · · · · · · · · · · · · · · ·	
19 2 Gb per sec Fibre Channel interfaces			Meets Requirements	2 Gb per sec Fibre Channel interfaces
20 2 Gb per sec FICON interfaces. The Symmetrix c	FICON		Exceeds Requirements	2 Gb per sec FICON interfaces. The Symmetrix can also su
21 Configured with (8) 2 Gb per second FICON Ports	8		Exceeds Requirements	Configured with (8) 2 Gb per second FICON Ports. Upgrade
22 (16) 2 Gb per second back-end Fibre Channel loc	2Gb/sec Fibre Channel		Meets Requirements	(16) 2 Gb per second back-end Fibre Channel loops.
23 Supports 73/146/300 GB 10K and 73/146 GB 15k	,	6/300GB 10K RPM and 72/146 15K RPM)	Meets Requirements	Supports 73/146/300 GB 10K and 73/146 GB 15K Fibre Cha
24 Upgradeable to 144 drives.	7.0TB		Exceeds Requirements	Upgradeable to 144 drives.
25 User selectable hot spares, limited only by the nu	n 2		Exceeds Requirements	User selectable hot spares, limited only by the number of dri
		ogrades / No-disruptive installation of cache, channels or hard drives / No single point of failure	Exceeds Requirements	The Symmetrix DMX goes beyond yesterday's designs to se
27 Hot swappable power supplies and fans	Redundant Hot-Swappable Power Si	upply and Cooling	Meets Requirements	Hot swappable power supplies and fans
28 Cabinet Included	Rack-Ready or Cabinet		Meets Requirements	Cabinet Included
29 The Symmetrix supports these servers as well as	Certified on IBM (zSeries and S390 a	among others), Sun and HP servers among other enterprise-class servers	Exceeds Requirements	The Symmetrix supports these servers as well as the most s
30 The Symmetrix supports the most operating syste	At a minimum, but not limited to, IBM	I zOS, IBM OS/390, IBM zVM, IBM-AIX, HP-UX, Sun Solaris	Exceeds Requirements	The Symmetrix supports the most operating systems in the i
31 The Symmetrix supports the most backup and sto	Extensive list of supported backup ar	nd storage management applications from vendors such as HP, CA, VERITAS, Yosemite, Legato, Tivoli among others	Exceeds Requirements	The Symmetrix supports the most backup and storage mana
32 Exceeds requirement with 5 Year onsite warranty	3-year parts exchange, 8x5xNext-Bu	isiness-Day response	Exceeds Requirements	Exceeds requirement with 5 Year onsite warranty with response
33 EMC	7 1			EMC
34 Symmetrix DMX1000				Symmetrix DMX1000
35 CAL-MF-DMX1000-2TB				CAL-MF-DMX1000-7TB
36 Website				Website
37 www.shop.it.northropgrumman.com/StateOfCa/				www.shop.it.northropgrumman.com/StateOfCa/
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	tate of California				
	epartment of General	I Services			
		e eRFP# DGS 5008 - Addendum #3			
		- Disk Storage Systems for Mainframe			
6 <u>E</u>	Back to Table of Conter	<u>ntsj</u>			
8		Cells highlighted in yellow are mandatory fields			
	idder Name:	Northrop Grumman Computing Systems			
	ubmitted by:	Duane Fletcher			
	•		Instructions: Bidders MUST provide s	specifications and pricing for ALL common configurations included on this subcategory with proposed models that will meet or exceed the spec	ifications provided. In addition, bidders MUST provide pricing for
				lass machines with stable platforms. For upgrade options, propose the most cost-effective items that are consistent with the respective configu	
			Bidders shall provide a verifiable reco	ord of the submitted Index Price.	
11					
12		Diel Charana Customa for Mainfrance		Futuraisa Tura A	
13 14		Disk Storage Systems for Mainframe Product Specification		Enterprise Type A Minimum Requirements	Meet, Exceed or Not Meet Requirements
15		RAID Controller:	Dual	WITHINGTON TO THE STATE OF THE	Exceeds Requirements
16		RAID Levels Supported:	1, 5, 10		Exceeds Requirements
17		Cache Memory per Controller (Base):	1GB		Exceeds Requirements
18		Battery Backup for Cache	Yes		Exceeds Requirements
19		Channel Type:	Fibre Channel		Meets Requirements
20		Host Adapters Interface:	FICON		Exceeds Requirements
21		Number of Channels (Base):	8 2Gb/sec Fibre Channel		Exceeds Requirements Meets Requirements
22	Common	Drive Interface: Supported Drives:		5/300GB 10K RPM and 72/146 15K RPM)	Meets Requirements Meets Requirements
24	Configurations	Minimum Physical Storage Capacity (in TB)	16.0TB	30000 TOKINI WI AIM 12/140 TOKINI WI	Exceeds Requirements
25		Global Spare Hard Drives (Base)	4		Exceeds Requirements
26		High-availability Features:		grades / No-disruptive installation of cache, channels or hard drives / No single point of failure	Exceeds Requirements
27		Power Supplies and Fans:	Redundant Hot-Swappable Power Su	pply and Cooling	Meets Requirements
28		Chassis:	Rack-Ready or Cabinet	and a stage of the same of the	Meets Requirements
29		Server Compatibility:		mong others), Sun and HP servers among other enterprise-class servers zOS, IBM OS/390, IBM zVM, IBM-AIX, HP-UX, Sun Solaris	Exceeds Requirements
31		Operating System Supported: Software Compatibility:		d storage management applications from vendors such as HP, CA, VERITAS, Yosemite, Legato, Tivoli among others	Exceeds Requirements Exceeds Requirements
32		Warranty:	3-year parts exchange, 8x5xNext-Bus		Exceeds Requirements
33		OEM			·
34		Model Name			
35					
		Model Number (SKU)			
36		Index Name (Retail, Website, etc.)			
36 37	Bidder's	Index Name (Retail, Website, etc.) Index Name URL Address			
36 37 38 39	Bidder's Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price			
36 37 38 39 40		Index Name (Retail, Website, etc.) Index Name URL Address			
36 37 38 39 40 41		Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months)			
36 37 38 39 40 41 42		Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date			
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 45 35 36 37 38 39 40 41 42 43	Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date	OFM	Model Number (SMI)	Inday Dries
44		Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above	OEM	Model Number (SKU)	Index Price
44	Proposed Model Options	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software)	IBM	393751	\$9,895
44	Proposed Model Options	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above		393751	
44 45 46 47 48	Proposed Model Options	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management	IBM EMC EMC EMC	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS	\$9,895 Included at no additional cost Included at no additional cost Included at no additional cost
44 45 46 47 48 49	Proposed Model Options	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management	IBM EMC EMC EMC EMC EMC	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS	\$9,895 Included at no additional cost
44 45 46 47 48 49	Proposed Model Options	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel	IBM EMC EMC EMC EMC EMC	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS	\$9,895 Included at no additional cost 68220
44 45 46 47 48 49 50 51	Options ptional Functionality	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON	IBM EMC EMC EMC EMC EMC EMC EMC EMC	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS	\$9,895 Included at no additional cost 68220 44700
44 45 46 47 48 49 50 51	Options ptional Functionality	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS Included	\$9,895 Included at no additional cost 68220 44700 Included at no additional cost
44 45 46 47 48 49 50 51	Options ptional Functionality	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FSCD8 Included Included	\$9,895 Included at no additional cost 68220 44700 Included at no additional cost Included at no additional cost
44 45 46 47 48 49 50 51	Options ptional Functionality	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FSCD8 Included Included	\$9,895 Included at no additional cost 68220 44700 Included at no additional cost
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44 45 46 47 48 49 50 51	Options Optional Functionality Host Adapter	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management Storage Resource Management ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 1GGB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS Included	\$9,895 Included at no additional cost
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44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60	Options Optional Functionality Host Adapter	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management Storage Resource Management ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 1GGB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included Include	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62	Options Proposed Model Options Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 4GB Total Memory 4GB Total Memory 16GB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS Included	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62	Options Proposed Model Options Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Area Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 4GB Total Memory 4GB Total Memory 16GB Total Memory 128GB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included Include	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Proposed Model Options Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 4GB Total Memory 8GB Total Memory 16GB Total Memory 16GB Total Memory 16GB Total Memory 128GB Total Memory Rack-mount Kit Upgrade to 3-Y warranty 24x7x2	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	393751 SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included Include	\$9,895 Included at no additional cost 68220 44700 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Proposed Model Options Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 4GB Total Memory 16GB Total Memory 18GB Total Memory 128GB Total Memory	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FSCD8 Included Inc	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Proposed Model Options Proposed Model	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 4GB Total Memory 4GB Total Memory 16GB Total Memory 16G	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-ESCD8 Included Inc	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Options ptional Functionality Host Adapter Cache ther Accessories	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Area Management Storage Resource Management ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 4GB Total Memory 8GB Total Memory 16GB Total Memory 12GGB Total Memory 32GB Total Memory 44GB Total Memory 44GB Total Memory 45GB Total Memory 46GB Total Memory 4	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included Inclu	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Options ptional Functionality Host Adapter Cache ther Accessories	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 4GB Total Memory 8GB Total Memory 16GB Total Memory 16GB Total Memory 12GGB Total Me	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62 63 64	Options Options ptional Functionality Host Adapter Cache ther Accessories	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management Sescon S12MB Total Memory 1GB Total Memory 1GB Total Memory 1GB Total Memory 1GGB Total Memory 128GB Total Memory 128GB Total Memory 128GB Total Memory 44GB Total Memory 44G	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included	\$9,895 Included at no additional cost
44 45 46 47 0 50 51 52 53 54 55 56 57 58 59 60 61 0 62	Options Options ptional Functionality Host Adapter Cache ther Accessories	Index Name (Retail, Website, etc.) Index Name URL Address Current Index Price Discount RFP Price Typical Duration Between Index Price Updates (Months) Model Release Date Model Phase Out Date Change to Requirements Shown Above Data Protection (Backup + Restore Software) Data Management Disk System Management Storage Area Management Storage Resource Management 2Gb/sec Fibre Channel ESCON 512MB Total Memory 1GB Total Memory 1GB Total Memory 4GB Total Memory 8GB Total Memory 16GB Total Memory 16GB Total Memory 12GGB Total Me	IBM EMC EMC EMC EMC EMC EMC EMC EMC EMC EM	SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS SE-SMIS-STDS DMX-FC8MOS DMX-FC8MOS DMX-ESCD8 Included	\$9,895 Included at no additional cost

California		IT Hardware Enterprise eRFP# DGS 5008		Department of General
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		option is not technically available, please mark the cell as "Not Technically Available". If a bidder is a Value Added Reseller (VAR), you nitted in hard copy format with the pricing proposal or by providing the URL's that link to the product description information in the cell bel		
13		Enterprise Type B		
Bidder's Proposed Specs		Minimum Requirements	Meet, Exceed or Not Meet Requirements	Bidder's Proposed Specs
	Dual	·	Exceeds Requirements	The DMX1000 has 4 back-end controllers. The Symmet
6 Supports RAID 0, 1, 5, 10 and RAID-S	1, 5, 10		Exceeds Requirements	Supports RAID 0, 1, 5, 10 and RAID-S
7 Configured with (24) GB of Cache	1GB		Exceeds Requirements	Configured with (48) GB of Cache
8 during power outages. The BBU provides the means for	Yes		Exceeds Requirements	during power outages. The BBU provides the means for
9 2 Gb per sec Fibre Channel interfaces	Fibre Channel		Meets Requirements	2 Gb per sec Fibre Channel interfaces
	FICON		Exceeds Requirements	2 Gb per sec FICON interfaces. The Symmetrix can also
1 Configured with (8) 2 Gb per second FICON Ports. Upgrade	8		Exceeds Requirements	Configured with (8) 2 Gb per second FICON Ports. Upgr
2 (16) 2 Gb per second back-end Fibre Channel loops.	2Gb/sec Fibre Channel		Meets Requirements	(16) 2 Gb per second back-end Fibre Channel loops.
3 Supports 73/146/300 GB 10K and 73/146 GB 15K Fibre Ch		300GB 10K RPM and 72/146 15K RPM)	Meets Requirements	Supports 73/146/300 GB 10K and 73/146 GB 15K Fibre
4 Upgradeable to 144 drives.	42.0TB		Exceeds Requirements	Upgradeable to 144 drives.
User selectable hot spares, limited only by the number of dr	4		Exceeds Requirements	User selectable hot spares, limited only by the number of
The Symmetrix DMX goes beyond yesterday's designs to s		rades / No-disruptive installation of cache, channels or hard drives / No single point of failure	Exceeds Requirements	The Symmetrix DMX goes beyond yesterday's designs
7 Hot swappable power supplies and fans 8 Cabinet Included	Redundant Hot-Swappable Power Sup Rack-Ready or Cabinet	ply and Cooling	Meets Requirements Meets Requirements	Hot swappable power supplies and fans Cabinet Included
9 The Symmetrix supports these servers as well as the most		ong others), Sun and HP servers among other enterprise-class servers	Exceeds Requirements	The Symmetrix supports these servers as well as the m
The Symmetrix supports these servers as well as the most operating systems in the		OS, IBM OS/390, IBM zVM, IBM-AIX, HP-UX, Sun Solaris	Exceeds Requirements	The Symmetrix supports the most operating systems in
	, ,	storage management applications from vendors such as HP, CA, VERITAS, Yosemite, Legato, Tivoli among others	Exceeds Requirements	The Symmetrix supports the most backup and storage n
22 Exceeds requirement with 5 Year onsite warranty with response			Exceeds Requirements	Exceeds requirement with 5 Year onsite warranty with re
33 EMC				EMC
4 Symmetrix DMX1000				Symmetrix DMX1000
5 CAL-MF-DMX1000-16TB				CAL-MF-DMX1000-42TB
6 Website				Website
7 <u>www.shop.it.northropgrumman.com/StateOfCa/</u>				www.shop.it.northropgrumman.com/StateOfCa/
8 500420				543
9 0.972				0.9
14001.02				15060
1 30 Days/1 Month				30 Days/1 Month
2 Jan-03 3 No Date Scheduled	5			Jar No Date Scheduled
\$ (+ or -) Change to RFP Price Above	OEM	Model Number (SKU)	Index Price	\$ (+ or -) Change to RFP Price Above
\$ (+ or -) Change to RFP Price Above 5 \$6,058.16		Model Number (SKO)		
5 Included at no additional cost	EMC	SE-SMIS-STDS	Included at no additional cost	Included at no additional cost
7 Included at no additional cost	EMC	SE-SMIS-STDS	Included at no additional cost	Included at no additional cost
Included at no additional cost	EMC	SE-SMIS-STDS SE-SMIS-STDS	Included at no additional cost	Included at no additional cost
Included at no additional cost	EMC	SE-SMIS-STDS	Included at no additional cost	Included at no additional cost
\$1,250.00	EMC	DMX-FC8MOS	6822	
\$1,569.39	_	DMX-ESCD8	4470	0 \$1,569
Ţ.,,	1			

9 Included at no additional cost	EMC	SE-SMIS-STDS	Included at no additional cost	Included at no additional cost	
0	\$1,250.00 EMC	DMX-FC8MOS		68220	\$1,250.00
1	\$1,569.39 EMC	DMX-ESCD8		44700	\$1,569.39
2 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
3 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
4 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
5 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
6 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
7 Included at no additional cost	EMC	Included	Included at no additional cost	Included at no additional cost	
8	(\$526.82) EMC	Included	Included at no additional cost	Included at no additional cost	
9	\$1,897.88 EMC	CAL-MF-DMX1000-42TB-64GB		591420	\$832.57
0	6,064.00 EMC	CAL-MF-DMX1000-142TB-128GB		835420	4,998.69
1 Not Technically Available		Not Technically Available	Not Technically Available	Not Technically Available	
2 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
3 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
4 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
5 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
6 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
7 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
8 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
9 Included at no additional cost	EMC	Included at no addional cost in 5 Year Warranty - per geographic coverage in 5.4.18	Included at no additional cost	Included at no additional cost	
0 Included at no additional cost	EMC	Included at no additional cost	Included at no additional cost	Included at no additional cost	
	\$45 EMC	Associate Implementation Specialist		\$145	\$45

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2	State of California					
	Department of General S					
		eRFP# DGS 5008 - Addendum #3				
5	Pricing Worksheet #5 - I	Disk Storage Systems for Mainframe				
6	Back to Table of Content	<u>s]</u>				
7						
8		Cells highlighted in yellow are mandatory fields				
9	Bidder Name:	Northrop Grumman Computing Systems				
10	Submitted by:	Duane Fletcher				
	Instructions: Piddore MIII	CT provide enecifications and pricing for ALL common configurations in	adudad on this subsets son with proper	and models that will most or avocad the appointantions provided. It	a addition hidders MIICT provide pricing	a for ALL aviating antions that are technically available in the

Instructions: Bidders MUST provide specifications and pricing for ALL common configurations included on this subcategory with proposed models that will meet or exceed the specifications provided. In addition, bidders MUST provide pricing for ALL existing options that are technically available in the market for each common configuration. If an option is not technically available, please mark the cell as "Not Technically Available". If a bidder is a Value Added Reseller (VAR), you must select one Original Equipment Manufacturer (OEM) which you will use across all configurations for this subcategory. Propose only consistent, enterprise-class machines with stable platforms. For upgrade options, propose the most cost-effective items that are consistent with the respective configuration specifications. Bidders MUST submit a detailed product /specification sheet for each product that is proposed to the State. The product sheets should be submitted in hard copy format with the pricing proposal or by providing the URL's that link to the product description information in the cell below, preferably both. The Index Price on the RFP release date as set forth in Section 6 of the eRFP. Bidders shall provide a verifiable record of the submitted Index Price.

		ECHILD		EC IIIID Time A		ECHID Torre B
		FC HHD		FC HHD Type A		FC HHD Type B
		Product Specification	Minimum Requirements	Meet, Exceed or Not Meet Requirements	Minimum Requirements	Meet, Exceed or Not Meet Requirements
	Common	Capacity (GB)	72.8GB	Meets Requirements	72.8GB	Meets Requirements
		RPM	10K RPM	Meets Requirements	15K RPM	Meets Requirements
Configurations		Form Factor	1"	Meets Requirements	1"	Meets Requirements
<u>′</u>		Interface	Fibre Channel	Meets Requirements	Fibre Channel	Meets Requirements
		OEM		EMC		EMC
1		Model Name		DMX 73 GB 10K Drive		DMX 73 GB 15K Drive
		Model Number (SKU)		DMX2G10-731		DMX2G15-731
_		Index Name (Retail, Website, etc.)		Website		Website
4						
	Bidder's	Index Name URL Address		www.shop.it.northropgrumman.com/StateOfCa/		www.shop.it.northropgrumman.com/StateOfCa/
Pr	oposed Model	Current Index Price		1375		
	•	Discount		0.7069		
		RFP Price		403.06		
		Typical Duration Between Index Price Updates (Months)		30 Days/1 Month		30 Days/1 Month
		Model Release Date		Q4-2002		Q1-2004
		Model Phase Out Date		No Date Scheduled		No Date Scheduled
ndustry	y. The published El	MC support matrix is in excess of 1000 pages. le industry. The published EMC support matrix is in excess of 10 1.17 which can provide 24x7x2, 24x7x4 and 8x5xNBD depending				
gemer	nt applications in th	ne industry. The published EMC support matrix is in excess of 10	00 pages			
nse tim	nes per Section 5.4	1.17 which can provide 24v7v2 24v7v4 and 8v5vNRD depending	Linon deodraphy			
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2	State of California	Services eRFP# DGS 5008 - Addendum #3 Disk Storage Systems for Mainframe				
3	Department of General	Services				
4	IT Hardware Enterprise	eRFP# DGS 5008 - Addendum #3				
5	Pricing Worksheet #5 -	Disk Storage Systems for Mainframe				
6	Back to Table of Content	<u>'s]</u>				
7						
8		Cells highlighted in yellow are mandatory fields				
		Northrop Grumman Computing Systems				
10	Submitted by:	Duane Fletcher				

Instructions: Bidders MUST provide specifications and pricing for ALL common configurations included on this subcategory with proposed models that will meet or exceed the specifications provided. In addition, bidders MUST provide pricing for ALL existing options that are technically available in the market for each common configuration. If an option is not technically available, please mark the cell as "Not Technically Available". If a bidder is a Value Added Reseller (VAR), you must select one Original Equipment Manufacturer (OEM) which you will use across all configurations for this subcategory. Propose only consistent, enterprise-class machines with stable platforms. For upgrade options, propose the most cost-effective items that are consistent with the respective configuration specifications. Bidders MUST submit a detailed product /specification sheet for each product that is proposed to the State. The product sheets should be submitted in hard copy format with the pricing proposal or by providing the URL's that link to the product description information in the cell below, preferably both. The Index Price on the RFP release date as set forth in Section 6 of the eRFP. Bidders shall provide a verifiable record of the submitted Index Price.

3 4				EC HHD Type C		EC UUD Type D
		FC HHD		FC HHD Type C		FC HHD Type D
		Product Specification	Minimum Requirements	Meet, Exceed or Not Meet Requirements	Minimum Requirements	Meet, Exceed or Not Meet Requirements
1	Common	Capacity (GB)	146.8GB	Meets Requirements	146.8GB	Meets Requirements
1	Common	RPM	10K RPM	Meets Requirements	15K RPM	Meets Requirements
	Configurations	Form Factor	1"	Meets Requirements	1"	Meets Requirements
1		Interface	Fibre Channel	Meets Requirements	Fibre Channel	Meets Requirements
T		OEM	r ibre chamier	EMC	Tible Chamier	EMC
-		Model Name		DMX 146 GB 10K Drive		DMX146 GB 15K Drive
		Mandal Name		DMX 140 GB TON DTIVE		DIVIX 140 GB 15K DIIVE
		Model Number (SKU)		DMX2G10-1461		DMX2G15-1461
2		Index Name (Retail, Website, etc.)		Website		Website
3	Bidder's	Index Name URL Address		www.shop.it.northropgrumman.com/StateOfCa/		www.shop.it.northropgrumman.com/StateOfCa/
1	Proposed Model	Current Index Price		2470		
5		Discount		0.6588		
3		RFP Price		842.86		
7		Typical Duration Between Index Price Updates (Months)		30 Days/1 Month		30 Days/1 Month
3 4 5 6 7		Model Release Date		Q1-2003		Q2-2005
)		Model Phase Out Date		No Date Scheduled		No Date Scheduled
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		eRFP# DGS 5008 - Addendum #3		
		Disk Storage Systems for Mainframe		
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3		Cells highlighted in yellow are mandatory f	ields	
) E	Bidder Name:	Northrop Grumman Computing Systems		
0 S	Submitted by:	Duane Fletcher		
lı c s s 1 n	n addition, bidders MUS rell as "Not Technically ubcategory. Propose or pecifications. Bidders M	T provide pricing for ALL existing options that are technic Available". If a bidder is a Value Added Reseller (VAR), aly consistent, enterprise-class machines with stable platf AUST submit a detailed product /specification sheet for each	cally available in the market for each common con you must select one Original Equipment Manufact orms. For upgrade options, propose the most cost ach product that is proposed to the State. The pro-	oposed models that will meet or exceed the specifications providing in a potion is not technically available, please mark the turer (OEM) which you will use across all configurations for this st-effective items that are consistent with the respective configurated by the should be submitted in hard copy format with the price on the REP release date as set forth in the control of the state of t
2		FC HHD		FC HHD Type E
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4		Product Specification	Minimum Requirements	Meet, Exceed or Not Meet Requirements
5	Common	Capacity (GB)	300GB	Meets Requirements
6	Configurations	RPM	10K rpm	Meets Requirements
7	Comigurations	Form Factor	1"	Meets Requirements
3		Interface	Fibre Channel	Meets Requirements
9		OEM		EMC
0		Model Name		DMX 300 GB 10K Drive
	Model Number (SKU)		DMX2G10-3001	
2		Index Name (Retail, Website, etc.)		Website
		. , ,		
3	Bidder's	Index Name URL Address		www.shop.it.northropgrumman.com/StateOfCa/
4	Proposed Model	Current Index Price		0
5		Discount		0.
6		RFP Price	,	160
7		Typical Duration Between Index Price Updates (Months	s)	30 Days/1 Month
3		Model Release Date		Q2-2005
9		Model Phase Out Date		No Date Scheduled
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Instructions: Bidders MUST provide specifications and pricing for ALL common configurations included on this subcategory with proposed models that will meet or exceed the specifications provide. In addition, bidders MUST provide pricing for ALL existing options that are technically available in the market for each common configuration. If an option is not technically available, please mark the cell as "Not Technically Available". If a bidder is a Value Added Reseller (VAR), you must select one Original Equipment Manufacturer (OEM) which you will use across all configurations for this subcategory. Propose only consistent, enterprise-class machines with stable platforms. For upgrade options, propose the most cost-effective items that are consistent with the respective configuration specifications. Bidders MUST submit a detailed product /specification sheet for each product that is proposed to the State. The product sheets should be submitted in hard copy format with the pricing proposal or by providing the URL's that link to the product description information in the cell below, preferably both. The Index Price on the RFP release date as set forth in Section 6 of the eRFP. Bidders shall provide a verifiable record of the submitted Index Price.

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13						ons and Accessories				
14	Options	Change to Requirements Shown Above	OEM	Model Name	Model Number (SKU)	Index Name (Retail, Website, etc.)	Index Name URL Address	Current Index Price	Discount	RFP Price
15		256MB Memory Module			Not Technically Available	Not Technically Available	Not Technically Available			Not Technically A
16		512MB Memory Module			Not Technically Available	Not Technically Available				Not Technically A
17		1GB Memory Module			Not Technically Available	Not Technically Available				Not Technically A
18	Cache Memory	2GB Memory Module		DMX-M5-2048	DMX-M5-2048	Website	www.shop.it.northropgrumman.com/Stat	36200	0.9877	444.9
19	Outrie Memory	4GB Memory Module	EMC	DMX-M5-4096	DMX-M5-4096	Website	www.shop.it.northropgrumman.com/Stat	37800	0.9866	508.16
20		8GB Memory Module		DMX-M5-8192	DMX-M5-8192	Website	www.shop.it.northropgrumman.com/Stat	43500	0.9856	626.53
21		16GB Memory Module		DMX-M5-16384	DMX-M5-16384	Website	www.shop.it.northropgrumman.com/Stat	54600	0.9841	870.41
22		32GB Memory Module	EMC	DMX-M5-32768	DMX-M5-32768	Website	www.shop.it.northropgrumman.com/Stat	122000	0.9829	2082.65
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	Instructions: Bidders MUST provide a discount-off-list for ANY options and/or accessories not specified on this pricing worksheet but the State may require for installed disk storage devices for mainframes
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13	Discount-Off-List for ALL other Accessories and Parts for Disk Storage Systems
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